

AMENDMENTS TO THE SPECIFICATION

The Applicants respectfully request entry of the following amendments to the Substituted Specification (filed April 26, 2005) to correct typographical errors.

Please amend the title as follows:

**DISTRIBUTED RAID AND LOCATION
~~INDEPENDENCE~~ INDEPENDENT CACHING SYSTEM**

Please replace paragraph [0002] as Amended in the Amendment filed May 16, 2005 with the following paragraph:

[0002] The invention relates to the field of data processing systems, and in particular to a distributed RAID and location ~~independence~~ independent caching system.

Please replace paragraph [0018] with the following paragraph:

[0018] Each computing unit 12-15 also includes a device driver/bridge 40-43, which communicates between the disk driver and the network driver of its associated computing unit. Each computing unit 12-15 also includes local RAM 50-53, respectively, which is partitioned into a first section and a second section. The first section of each RAM is controlled by the local operating system (OS) executing in its associated computing unit. The second section of each RAM is controlled by its associated device driver/bridge 40-43. The second sections of the RAMs 50-53 collectively provide a distributed cache. Each device driver/bridge 40-43 handles communications between their associated NIC 18-21 and ~~disk driver 24-27~~ second section of RAMs 50-53, respectively, to provide a unified system cache for an underlying RAID system.

Please replace paragraph [0019] with the following paragraph:

[0019] To provide a distributed RAID, each of the associated local disks 30-33 is partitioned into at least two disk sections. A first disk section contains the local operating system (OS), data and applications, while a second disk section is configured to be part of a RAID system. That is, the device drivers/bridges 40-43 on each computing device cooperate to provide a distributed RAID, which stores information on the second section of the disks ~~50-53~~ 30-33. Each device driver/bridge 40-43 handles communications between their associated NIC 13-21 and disk driver 24-27, respectively.

Please replace paragraph [0021] with the following paragraph:

[0021] Besides network access and local disk access, each IIC 78-81 controls the second partition of its associated RAM 50-53. Significantly, the RAM partitions in the computing nodes together form a large, global, and location ~~independence~~ independent cache for the RAID and is accessible to any node connected to the network, independent of its physical location.

Please replace paragraph [0023] with the following paragraph:

[0023] Advantageously, the system of the present invention allows the computing nodes to work together in parallel to process web requests. The distributed RAID allows parallel operations of disk accesses and provides fault tolerance using parity disks, whereas location ~~independence~~ independent caches provide cooperative caching to the computing nodes for better I/O performance. The system of the present invention also provides a cost-effective architectural approach since it uses relatively low cost PCs/workstations that are often readily available as existing computing facilities in an organization.